

# Y-549 DATA SHEETS.

PUNCH  
O

CREASE HERE

PUNCH  
O

CREASE HERE

## WEIGHTS OF CAST IRON CYLINDERS, 1 INCH THICK.—II.

Dia.	0	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	
30"	197.92	199.57	201.23	202.9	204.57	206.25	207.94	209.63	
31"	211.34	213.04	214.76	216.48	217.21	219.94	221.68	223.43	
32"	225.2	226.95	228.72	230.5	232.28	234.07	235.87	237.67	
33"	239.48	241.3	243.13	244.96	246.79	248.64	250.49	252.35	
34"	254.22	256.09	257.97	259.86	261.75	263.65	265.58	267.47	
35"	269.39	271.32	273.25	275.19	277.14	279.10	281.06	283.03	
36"	285.01	287	288.98	290.98	292.98	294.98	296.98	299.04	
37"	301.06	303.1	305.14	307.19	309.25	311.3	313.39	315.48	
38"	317.55	319.65	321.74	323.85	325.96	328.08	330.21	332.33	
39"	334.49	336.65	338.79	340.96	343.12	345.3	347.47	349.66	
40"	351.85	354.06	356.27	358.48	360.7	362.9	365.18	367.42	
41"	369.68	371.93	374.19	376	378.74	382	384	386	
42"	388.	390	392	395	397	399	402	405	
43"	407	410	412	414	416	419	421	424	
44"	426	428	430	433	435	438	441	444	
45"	446	448	450	453	455	458	461	463	
46"	465	468	471	473	475	477	480	483	
47"	486	488	491	494	496	499	502	504	
48"	506	509	511	514	516	519	522	525	
49"	528	530	533	536	538	541	544	547	
50"	549	562	566	569	571	573	576	579	
51"	572	575	578	581	584	586	589	592	
52"	595	598	601	603	606	609	612	615	
53"	618	621	624	627	630	633	636	639	
54"	642	645	648	651	654	657	660	663	
55"	666	669	672	675	678	681	684	687	
56"	690	693	696	699	702	705	709	712	
57"	715	718	721	725	728	731	734	737	
58"	740	743	746	749	752	756	759	763	
59"	766	769	772	776	779	783	786	789	
60"	791.6	795	798	802	805	809	813	816	

## AREAS AND WEIGHTS OF FILLETS.—II.

Radius R.	Area	Weight of Steel per foot per inch	Weight of Cast Iron per foot per inch	Weight of Cast Brass per foot per inch
$1\frac{5}{8}$	.5668	.930	.1608	.1776
$1\frac{3}{4}$	.6572	2.235	.1862	.2056
$1\frac{7}{8}$	.7545	2.565	.2137	.2360
2	.8585	2.917	.2431	.2684
$2\frac{1}{8}$	.9692	3.292	.2743	.3005
$2\frac{1}{4}$	1.086	3.695	.3079	.3406
$2\frac{3}{8}$	1.210	4.115	.3429	.3806
$2\frac{1}{2}$	1.341	4.560	.3800	.4195
$2\frac{5}{8}$	1.478	5.030	.4192	.4628
$2\frac{3}{4}$	1.623	5.507	.4589	.5066
$2\frac{7}{8}$	1.774	6.027	.5022	.5545
3	1.931	6.565	.5471	.6028
$3\frac{1}{8}$	2.096	7.125	.5937	.6555
$3\frac{1}{4}$	2.267	7.700	.6417	.7084
$3\frac{3}{8}$	2.444	8.300	.6917	.7636
$3\frac{1}{2}$	2.629	8.925	.7438	.8211
$3\frac{5}{8}$	2.820	9.575	.7979	.8809
$3\frac{3}{4}$	3.018	10.27	.8523	.9448
$3\frac{7}{8}$	3.222	10.97	.9142	.10.09
4	3.434	11.65	.9709	.10.72
$4\frac{1}{8}$	3.652	12.40	1.033	.11.41
$4\frac{3}{8}$	4.107	13.97	1.164	1.285
$4\frac{1}{2}$	4.346	14.77	1.231	13.59
$4\frac{5}{8}$	4.590	15.60	1.300	14.35
$4\frac{3}{4}$	4.842	16.45	1.371	15.13
$4\frac{7}{8}$	5.100	17.32	1.444	15.93
5	5.365	18.25	1.521	16.79

For filing purposes this data sheet may be cut into four sections, 6 x 9 inches in size, and may then be bound into note-book form for convenient reference, by means of staples inserted in holes punched at the points indicated.

Contributed by Ernest J. Lees.

No. 59, Supplement to MACHINERY, July, 1906.